

## Cumulative contents of Volume 65

## Volume 65, No. 1, February 1998

	,	 -, -	 	_
Damana				
Papers				

R. Ben-Mrad, S.D. Fassois and J.A. Levitt	
A polynomial-algebraic method for non-stationary TARMA signal analysis – Part I: The method	1
R. Ben-Mrad, S.D. Fassois and J.A. Levitt	
A polynomial-algebraic method for non-stationary TARMA signal analysis – Part II: Application to modeling and prediction	
of power consumption in automobile active suspension systems	21
R.N. Challa and S. Shamsunder	20
Passive near-field localization of multiple non-Gaussian sources in 3-D using cumulants	39
M.G. Strintzis and D. Tzovaras	
Optimal pyramidal and subband decompositions for the hierarchical representation of vector valued signals	55
R. Srinivasan	72
Some results in importance sampling and an application to detection	73
A double-talk resistant subband echo canceller	89
WH. Lin, JS. Lee, CH. Chen and YN. Sun	05
A new multiscale-based shape recognition method	103
E. Le Tavernier, P. Simard, M. Bulo and D. Boichu	103
La méthode de Higuchi pour la dimension fractale	115
A.D. Pluzhnikov, E.N. Pribludova and E.I. Torgushin	11.
Woodward constant with space-distance resolution in radar scanning system	129
Z. Cao and X. Yu	127
Switching-based signal estimation with digital implementation	135
Fast communications	
C. McCarley	
VLSI 'HyperNeuron' for recognition of analog patterns	143
L. Galleani, L. Lo Presti and A. De Stefano	
A method for nonlinear system classification in the time-frequency plane	147
Thesis alerts	155
THOSE WOLLS	
Volume 65, No. 2, March 1998	
Special Issue on Distribution Theory in Signal Processing	
Guest Editors: J. Vidal and J.R. Fonollosa	
J. Vidal and J.R. Fonollosa	150
Editoral – Distribution Theory in Signal Processing	159
Papers	
D.R. Brillinger and R.A. Irizarry	
An investigation of the second- and higher-order spectra of music	161

Elsevier Science B.V.

J.M. Goldberg and J.R. Fonollosa	
Downlink beamforming for spatially distributed sources in cellular mobile communications	181
J. Ilow and D. Hatzinakos	
Applications of the empirical characteristic function to estimation and detection problems	199
KS. Lii and TH. Tsou	
Bispectral analysis of continuous-time processes under random sampling schemes	221
JY. Tourneret	•••
Statistical properties of line spectrum pairs	239
A. Swami and P. Tichavský	255
Strong ergodicity conditions for the <i>n</i> th-order moment (cumulant) of multiple sinusoids	257
A. Tesei and C.S. Regazzoni	267
HOS-based generalized noise pdf models for signal detection optimization	267
Y. Wang and G. Zhou	202
On the use of high-order ambiguity function for multi-component polynomial phase signals	283
V. Živojnović	207
Minimum Fisher information of moment-constrained distributions with application to robust blind identification  I.G. Zurbenko and P.S. Porter	297
Construction of high-resolution wavelets	315
Construction of high-resolution wavelets	313
Volume 65, No. 3, March 1998	
Papers	
A. Farina and M. Valeri	
Recovery of antenna pattern loss in a search radar	329
SW. Hong, YH. Chan and WC. Siu	
A new approach for real-time reduction of blocking effect	337
A new approach for real-time reduction of blocking check	
A. Spinei, D. Pellerin and J. Hérault	347
A. Spinei, D. Pellerin and J. Hérault Spatiotemporal energy-based method for velocity estimation	347
A. Spinei, D. Pellerin and J. Hérault Spatiotemporal energy-based method for velocity estimation  J. Razavilar, Y. Li and K.J. Ray Liu	347 363
A. Spinei, D. Pellerin and J. Hérault Spatiotemporal energy-based method for velocity estimation	
A. Spinei, D. Pellerin and J. Hérault Spatiotemporal energy-based method for velocity estimation  J. Razavilar, Y. Li and K.J. Ray Liu A structured low-rank matrix pencil for spectral estimation and system identification  K.Y. Lee, S. McLaughlin and K. Shirai	
A. Spinei, D. Pellerin and J. Hérault Spatiotemporal energy-based method for velocity estimation  J. Razavilar, Y. Li and K.J. Ray Liu A structured low-rank matrix pencil for spectral estimation and system identification	363
A. Spinei, D. Pellerin and J. Hérault Spatiotemporal energy-based method for velocity estimation  J. Razavilar, Y. Li and K.J. Ray Liu A structured low-rank matrix pencil for spectral estimation and system identification  K.Y. Lee, S. McLaughlin and K. Shirai Speech enhancement based on neural predictive hidden Markov model	363
A. Spinei, D. Pellerin and J. Hérault Spatiotemporal energy-based method for velocity estimation  J. Razavilar, Y. Li and K.J. Ray Liu A structured low-rank matrix pencil for spectral estimation and system identification  K.Y. Lee, S. McLaughlin and K. Shirai Speech enhancement based on neural predictive hidden Markov model  G. Bi and Y. Chen	363 373
A. Spinei, D. Pellerin and J. Hérault Spatiotemporal energy-based method for velocity estimation  J. Razavilar, Y. Li and K.J. Ray Liu A structured low-rank matrix pencil for spectral estimation and system identification  K.Y. Lee, S. McLaughlin and K. Shirai Speech enhancement based on neural predictive hidden Markov model  G. Bi and Y. Chen Fast generalized DFT and DHT algorithms	363 373
A. Spinei, D. Pellerin and J. Hérault Spatiotemporal energy-based method for velocity estimation  J. Razavilar, Y. Li and K.J. Ray Liu A structured low-rank matrix pencil for spectral estimation and system identification  K.Y. Lee, S. McLaughlin and K. Shirai Speech enhancement based on neural predictive hidden Markov model  G. Bi and Y. Chen Fast generalized DFT and DHT algorithms.  P.W.M. Tsang and W.T. Lee	363 373 383
A. Spinei, D. Pellerin and J. Hérault Spatiotemporal energy-based method for velocity estimation  J. Razavilar, Y. Li and K.J. Ray Liu A structured low-rank matrix pencil for spectral estimation and system identification  K.Y. Lee, S. McLaughlin and K. Shirai Speech enhancement based on neural predictive hidden Markov model  G. Bi and Y. Chen Fast generalized DFT and DHT algorithms  P.W.M. Tsang and W.T. Lee An adaptive decimation and interpolation scheme for low complexity image compression  Fast communication	363 373 383
A. Spinei, D. Pellerin and J. Hérault Spatiotemporal energy-based method for velocity estimation  J. Razavilar, Y. Li and K.J. Ray Liu A structured low-rank matrix pencil for spectral estimation and system identification  K.Y. Lee, S. McLaughlin and K. Shirai Speech enhancement based on neural predictive hidden Markov model  G. Bi and Y. Chen Fast generalized DFT and DHT algorithms.  P.W.M. Tsang and W.T. Lee An adaptive decimation and interpolation scheme for low complexity image compression  Fast communication  D.P. Ruiz, A. Gallego, M.C. Carrión and J. Portí	363 373 383 391
A. Spinei, D. Pellerin and J. Hérault Spatiotemporal energy-based method for velocity estimation  J. Razavilar, Y. Li and K.J. Ray Liu A structured low-rank matrix pencil for spectral estimation and system identification  K.Y. Lee, S. McLaughlin and K. Shirai Speech enhancement based on neural predictive hidden Markov model  G. Bi and Y. Chen Fast generalized DFT and DHT algorithms  P.W.M. Tsang and W.T. Lee An adaptive decimation and interpolation scheme for low complexity image compression  Fast communication  D.P. Ruiz, A. Gallego, M.C. Carrión and J. Portí Order determination of MA models using third- and fourth-order statistics	363 373 383 391 403
A. Spinei, D. Pellerin and J. Hérault Spatiotemporal energy-based method for velocity estimation  J. Razavilar, Y. Li and K.J. Ray Liu A structured low-rank matrix pencil for spectral estimation and system identification  K.Y. Lee, S. McLaughlin and K. Shirai Speech enhancement based on neural predictive hidden Markov model  G. Bi and Y. Chen Fast generalized DFT and DHT algorithms.  P.W.M. Tsang and W.T. Lee An adaptive decimation and interpolation scheme for low complexity image compression  Fast communication  D.P. Ruiz, A. Gallego, M.C. Carrión and J. Portí	363 373 383 391
A. Spinei, D. Pellerin and J. Hérault Spatiotemporal energy-based method for velocity estimation  J. Razavilar, Y. Li and K.J. Ray Liu A structured low-rank matrix pencil for spectral estimation and system identification  K.Y. Lee, S. McLaughlin and K. Shirai Speech enhancement based on neural predictive hidden Markov model  G. Bi and Y. Chen Fast generalized DFT and DHT algorithms  P.W.M. Tsang and W.T. Lee An adaptive decimation and interpolation scheme for low complexity image compression  Fast communication  D.P. Ruiz, A. Gallego, M.C. Carrión and J. Portí Order determination of MA models using third- and fourth-order statistics	363 373 383 391 403

